

In the Specification:

Page 5, delete lines 28 to 30, "These objects are...data structure comprises."

Page 6, delete lines 1 to 17, "state-transition rules...according to claim 10."

Page 10, line 2 after "transition to state S1." insert the following:

-- If the current state is s0 and the input equals (0,2...9, B..F) then the next state will be s0.

If the current state is s0 and the input equals A then the next state will be s4.

If the current state is s4 and the input equals (0,2...9,C..F) then the next state will be s0.

If the current state is s0 and the input equals 1 then the next state will be s1.

If the current state is s1 and the input equals (0,3...9,B..F) then the next state will be s0.

If the current state is s2 and the input equals (0,2...9,B..F) then the next state will be s0.

If the current state is s4 and the input equals A then the next state will be s4.

If the current state is s4 and the input equals B then the next state will be s5.

If the current state is s2 and the input equals A then the next state will be s4.

If the current state is s4 and the input equals 1 then the next state will be s1.

If the current state is s1 and the input equals 1 then the next state will be s1.

If the current state is s1 and the input equals 2 then the next state will be s2.

If the current state is s1 and the input equals A then the next state will be s4. --